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(71) Applicant (for all designated States except US): KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL];  
Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): AYRES, John, R., A. [GB/GB]; c/o Philips Intellectual Property & Standards, Cross Oak Lane, Redhill, Surrey RH1 5HA (GB). YAMASHITA, Kaitaro [JP/JP]; c/o Philips Intellectual Property & Standards, Cross Oak Lane, Redhill, Surrey RH1 5HA (GB).

(74) Agent: WILLIAMSON, Paul, L.; Philips Intellectual Property & Standards, Cross Oak Lane, Redhill, Surrey RH1 5HA (GB).

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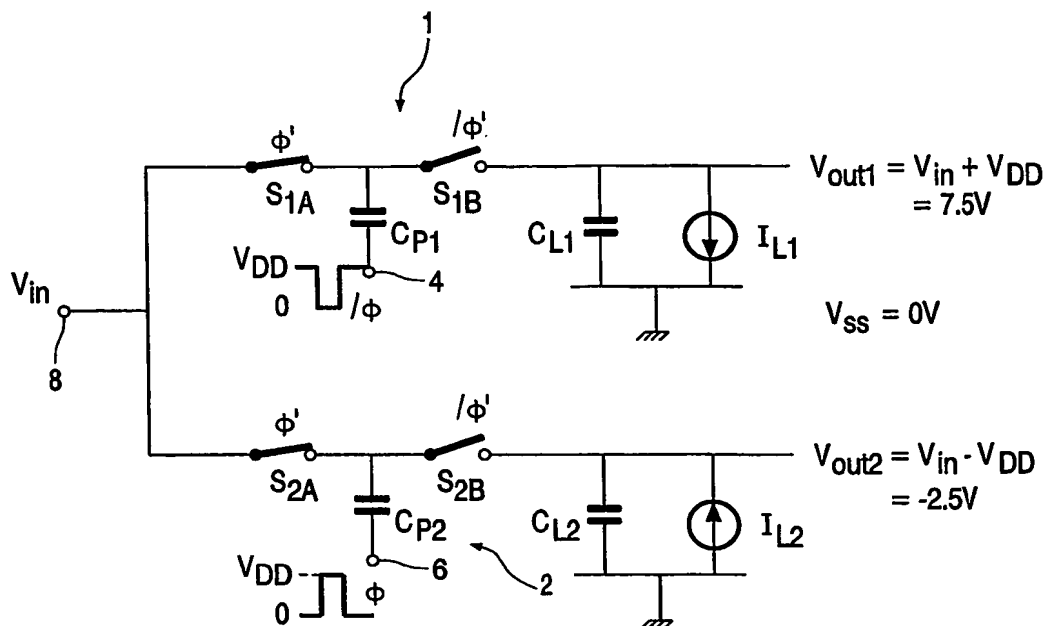
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(54) Title: A CHARGE PUMP CIRCUIT



(57) Abstract: A charge pump circuit has a voltage increasing stage and a voltage decreasing stage in parallel, and sharing a common input. This allows charge to flow between the stages, so that charge used in the pumping of one stage is recycled to the other stage.